

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	42	("4313124" "4345262" "4459600" "4558333" "4723129" "4740796" "5218376" "5754194" "5565269" "5689595" "59123670" "59138461" "6159911" "6159912" "6159914" "6409279" "6463185" "0534634" "05202328" "09207424" "199830398" "2783647").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/20 14:41
S2	20	("55065269" "56089595" "59123670" "59138461" "61059911" "61059912" "61059914" "64009279" "64063185" "05034634" "05202328" "09207424" "199830398" "2783647").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/20 14:26
S3	341	(Nakazawa or Ishikawa).in. and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/20 14:45
S4	254	(Nakazawa or Ishikawa).in. and "347"/\$3 not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/20 14:48
S5	1	(ejection near4 volume) and (print near4 resolution) and (relative near4 scanning) and (print near4 resolution) and (print near4 duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/20 14:49
S6	0	("2004/0246320").URPN.	USPAT	AND	OFF	2005/12/20 14:50
S7	259	print near4 duty	USPAT	AND	OFF	2005/12/20 15:11
S8	532	print near4 duty	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 15:30
S9	728	ejection near volume	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 14:51

## EAST Search History

S10	3812	print near resolution	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 15:04
S11	4	S8 S9 S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 14:51
S12	508747	resolution or DPI	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 15:04
S13	22	S8 S9 S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 15:09
S14	29146	application near3 rate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 15:09
S15	10508	(print near2 duty) or (print\$3 near3 resolution)	USPAT	AND	OFF	2005/12/20 15:15
S16	8020	recording near direction	USPAT	AND	OFF	2005/12/20 15:15
S17	20376	(arrange\$4 or arranging) near direction	USPAT	AND	OFF	2005/12/20 15:15
S18	0	S16 S17 S15 S14	USPAT	AND	OFF	2005/12/20 15:16
S19	2	"20040246320"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 16:07
S20	5	resolution and ((application or apply\$3) near4 rate) and (drop with eject\$3 with volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:31

## EAST Search History

S21	1	resolution with ((scan or scanning or scanned or scans)) ((application or apply\$3) near4 rate) and (drop with eject\$3 with volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 09:48
S22	34687	"347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:32
S23	502154	resolution	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:32
S24	1411320	application rate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:36
S25	10887	(dot or droplet or drop or ink) near (volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:33
S26	1601	S22 S23 S24 S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:33
S27	18674	application near rate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:49
S28	5	S22 S23 S25 S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:38

## EAST Search History

S29	19	("4313124" "4345262" "4459600" "4463359" "4558333" "4723129" "4740796" "5218376" "5754194"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 15:04
S30	2	"9830398"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 07:47
S31	1	1998-398934.NRAN.	DERWENT	AND	OFF	2005/12/21 07:47
S32	5814	resolution with (x and y)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 07:48
S33	2	S32 and (application with rate) and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 07:48
S34	19731	(application near rate) or (print with duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:49
S35	1	S25 and (resolution with (x and y)) and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:50
S36	78	S25 and (resolution) and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 09:47
S37	5	resolution with by	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 09:47

## EAST Search History

S38	1292	resolution same (parallel and perpendicular and scan\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 09:53
S39	100	resolution same (parallel and perpendicular and scan\$4) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 09:57
S40	46	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 10:02
S41	17	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and volume	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 10:02
S42	34	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and (volume or size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 10:03
S43	22	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and ((volume or size) with (drop or droplet or drops or ink or spot or print or ejection or eject or ejecting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 11:01
S44	11	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and ((volume or pl) with (drop or droplet or drops or ink or spot or print or ejection or eject or ejecting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 11:01
S45	12	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and ((volume or pl or picoliter\$1) with (drop or droplet or drops or ink or spot or print or ejection or eject or ejecting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 11:16

## EAST Search History

S46	2	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and ((volume or pl or picoliter\$1) with (drop or droplet or drops or ink or spot or print or ejection or eject or ejecting)) and duty	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 12:09
S47	11	pigment same (react\$3 with liquid) same polyvalent with salt with metal and surface adj tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 12:28
S48	10	pigment same (react\$3 with liquid) same polyvalent with salt with metal and surface adj tension and film\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 13:43
S49	25	pigment same (react\$3 with liquid) same surface adj tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 13:50
S50	43	pigment same ((react\$3 or treat\$4) with (liquid or fluid)) same surface adj tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 13:51
S51	18	S50 not S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 13:51
S52	99478	surface adj tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:05
S53	486705	ink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:05

## EAST Search History

S54	725980	(liquid or fluid) with (react\$3 or fix\$3 or fixitive or treat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:06
S55	72	S52 with S53 with S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:34
S56	1	2005-386001.NRAN.	DERWENT	AND	OFF	2005/12/21 14:11
S57	101	(S52 with S53) and (S52 with S54)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:34
S58	29	S57 not S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:51
S59	1125	(surface adj tension) with (greater or less) with ink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:52
S60	588	(surface adj tension) with (greater or less) with ink and ink\$jet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:53
S61	24	(surface adj tension) with (greater or less) with ink with (fix\$3 or treat\$4 or reaction or substrate or clear or white or colorless) with (liquid or fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:58
S62	16	(surface adj tension) with (greater or less) with ink with (fix\$3 or treat\$4 or reaction or solvent or solution or clear or white or colorless) with (liquid or fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:58

## EAST Search History

S63	5	S29 and (surface adj tension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 15:06
S64	24	("55065269" "56089595" "59123670" "59138461" "61059911" "61059912" "61059914" "64009279" "64063185" "0534634" "05202328" "09207424" "98030398" "9830398" "2783647").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 15:09
S65	4	S64 and surface adj tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 15:26
S66	1	1996-478561.NRAN.	DERWENT	AND	OFF	2005/12/21 15:13
S67	32	"6084619"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 15:26
S68	1675	347/100	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/01/03 07:07
S69	6	("6084619" "20020041310" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 08:45
S70	26737	(react\$3 or fix\$3 or coat\$3) same (duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 08:46
S71	912	(react\$3 or fix\$3 or coat\$3) same (duty) and ink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 08:46



## EAST Search History

S72	27	(react\$3 or fix\$3 or coat\$3) same (print near duty) and ink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 08:46
S73	107	(react\$3 or fix\$3 or coat\$3) same (print\$3 near duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 08:47
S74	14	(react\$3 or fix\$3 or coat\$3) with (liquid or layer\$3) same (print\$3 near duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 08:48
S75	26	((react\$3 or fix\$3 or coat\$3) with (liquid or layer\$3)) or resin\$3) same (print\$3 near duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 08:48
S76	1570	(duty) and ((droplet or ejection or drop or printing) with (volume or size)) and (resolution or dpi or pixel) and (curing or coat\$3 or fixing or fixes or resin or harden\$3 or protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/18 09:01
S77	0	(duty) same ((droplet or ejection or drop or printing) with (volume or size)) same (resolution or dpi or pixel) same (curing or coat\$3 or fixing or fixes or resin or harden\$3 or protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/18 09:00
S78	34	(duty) same ((droplet or ejection or drop or printing) with (volume or size)) same (resolution or dpi or pixel) and (curing or coat\$3 or fixing or fixes or resin or harden\$3 or protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/18 09:01
S79	0	("6084619" "20020041310" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/06/06 08:18

## EAST Search History

S80	6	("6084619" "20020041310" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 08:27
S81	2	("6084619" "20020041310" "6494569").pn. and surfactant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 08:36
S82	0	("6084619" "20020041310" "6494569").pn. and agglomerat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 08:27
S83	4	("6084619" "20020041310" "6494569").pn. and surface near tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 08:36
S84	2	("6084619" "20020041310" "6494569").pn. and ((surface near tension) same (cur\$3 or react\$3 or liquid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 08:37
S85	3	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (aggregate same agglomerate same film\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:29
S86	20	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (agglomerate same film\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:29
S87	32	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (agglomerat\$3 same film\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:29

## EAST Search History

S88	4	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (agglomerat\$3 same film\$2) same (surface near tension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:32
S89	4	ink same (((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid)) same ((agglomerat\$3 same film\$2) and (surface near tension)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:30
S90	7	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (agglomerat\$3 same film\$2) and (surface near tension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:39
S91	8	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (agglomerat\$3 same film\$2) and (tension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:35
S92	6	("6084619" "20020041310" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 11:03
S93	58	((reaction near (liquid or solution)) same ink) same (surface near tension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:10
S94	3	((reaction near (liquid or solution)) same ink) same (surface near tension) and ((surface near tension) same (table))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:16
S95	58	((reaction near (liquid or solution)) same ink) same (surface near tension) and ((surface near tension))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:10

## EAST Search History

S96	1	"6086197".pn. and (surfactant with ink) and (surfactant with react\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:42
S97	1	"6086197".pn. and (surfactant with ink) and (surfactant with react\$3) and surfactant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:24
S98	77	((reaction near (liquid or solution)) same surfactant) and (ink same surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:33
S99	23	((reaction near (liquid or solution)) same surfactant) and (ink same surfactant) and surfactant same table	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:27
S10 0	6	((reaction near (liquid or solution)) same surfactant) same (ink same surfactant) and surfactant same table	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:27
S10 1	32	((reaction near (liquid or solution)) same surfactant) same (ink same surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:35
S10 2	1	"6086197".pn. and (surfactant same ink) and (surfactant same react\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:50
S10 3	6	("6086197" "20020041310" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 11:03

## EAST Search History

S10 4	6	("20020041310" "6086197" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/01 15:36
S10 5	24	"347"/\$3 and (dpi and (pl same Vd) and duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/08 12:37
S10 6	3017	347/100 or 106/31.6 or 106/31.13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 13:03
S10 7	41	S106 and (agglomerat\$3.clm. coagulat\$3 or mix\$4 or (liquid with ink)).clm. same (bleed\$3 or migrat\$3 or mov\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 13:10
S10 8	33	S106 and (agglomerat\$3.clm. coagulat\$3 or mix\$4 or (liquid with ink)).clm. same (migrat\$3 or flow\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 13:11